Bicycle Wireless Turn Indicator
User Manual

1 Introduction：

1.1 Biking is more and more popular for short distance communication and leisure exercising. Accidents happened a lot due to lacking of direction indicator to let others behind him know rider's intension. This product is designed to solve this problem, also, no need to modify bike's structure and no wires around.

1.2 Easy to be operated, rider still can keep his hands on handlebar to prevent any potential danger.

1.3 Wireless control – Stable and safe wireless transmission technology. It will not be blocked by the rider himself or interfered by the same products (total 65536 sets coded protection). And also, it will not be affected by any shaking during the ride.

1.4 Prompt and accurate reaction with no time delay. Wireless technology enables Controller LED and Turn Indicator LED indicators to work in perfect synchronization.

1.5 Lightweight, portable and easy to be detachable design.

1.6 Waterproof and weatherproof.

1.7 Use two AA batteries in Turn Indicator and one CR2032 button cell battery in Controller.

1.8 Battery savings design, if rider doesn't use it, Controller will be automatically shut down in 4 minutes and Turn Indicator will be automatically shut down in 2 hours.

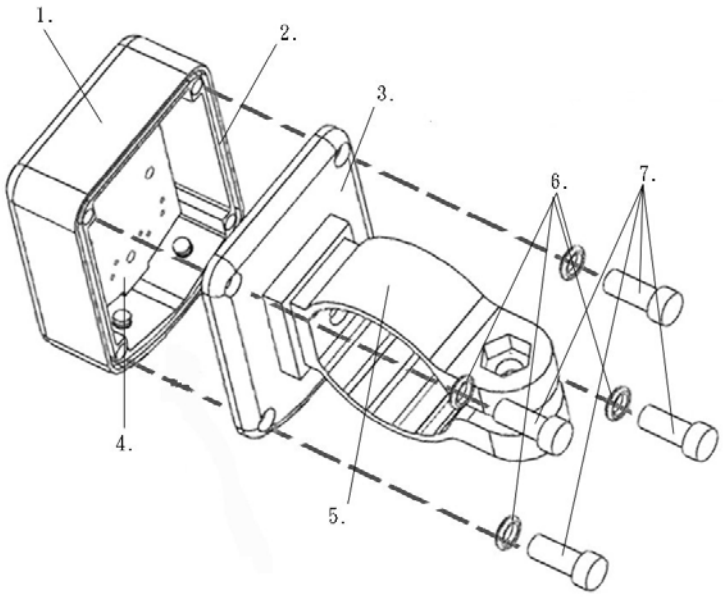
1.9 Range of the receiver is 3 meters (Could be various depending on the charges of the battery)

1.10 Power saving device helps the battery life last up to 300 hours, and up to 200 hours with the indicator on, depending on the actual use.

1.11 This product includes 3 different night modes. Taillights are no more required.

2 Contents: Sales package should include the following 10 parts.

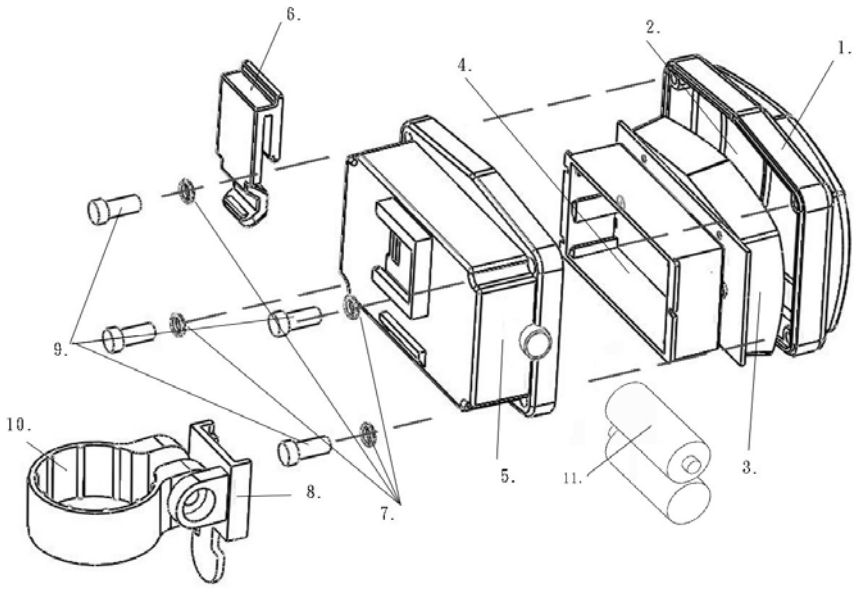
1. 5x20 Screw --- 2Pcs **2.** 3x8 Screw --- 1Pcs **3.** 89 x 17.5 x 1.5mm Rubber pads --- 2Pcs **4.** Controller buckle--- 1Pcs **5.** Turn Indicator buckle--- 1Pcs **6.** Turn Indicator clamp--- 1Pcs **7.** Turn Indicator bracket--- 1Pcs **8.** AA Battery --- 2Pcs **9.** CR2032 Button cell battery --- 1Pcs **10.** User's manual --- 1Pcs



3 Parts Reference:

1. Top cover
2. Water resistant rubber ring
3. Bottom cover
4. Circuit board and battery socket
5. Controller buckle
6. Water resistant rubber rings
7. 2x8 Screws

(DWG.1) Controller



1. Acrylic top cover
2. Yellow, red, yellow diffusion filter
3. Reflector and circuit board
4. Battery chamber
5. Bottom cover (Include the water resistant rubber ring)
6. Turn Indicator clamp
7. Water resistant rubber rings
8. Turn Indicator bracket
9. 2x8 Screws
10. Turn Indicator buckle
11. Two AA batteries

(DWG.2) Turn Indicator

4 Install / Change the Batteries:

4-1 Controller

4-1.1 As the DWG.1, loose four 2x8 screws from the body (Include 4 water resistant rubber rings).

4-1.2 Open bottom cover to find the circuit board and battery socket.

4-1.3 Slightly push the battery socket's clip to get the battery out. (New product loads no battery).

4-1.4 Let the CR2032 button cell battery's plane side up, and raised side down (watch out the positive and negative polarity). Load battery in the battery socket with 45 degrees angle then press the clips.

4-1.5 Tighten up four 2x8 screws (includes four water resistant rubber rings).

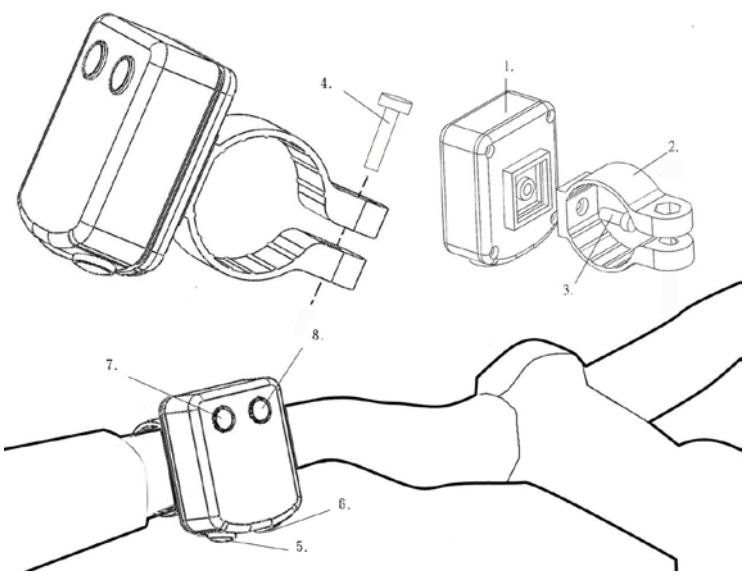
4-2 Turn Indicator

4-2.1 As the DWG.2, loose four 2x8 screws from the body (Include 4 water resistant rubber rings)

4-2.2 Take off the acrylic top cover, reflector, circuit board and battery chamber to install the AA batteries (watch out the positive and negative polarity). (New product loads no battery).

4-2.3 Tighten up four 2x8 screws (includes 4 water resistant rubber rings).

5 Controller Installation:

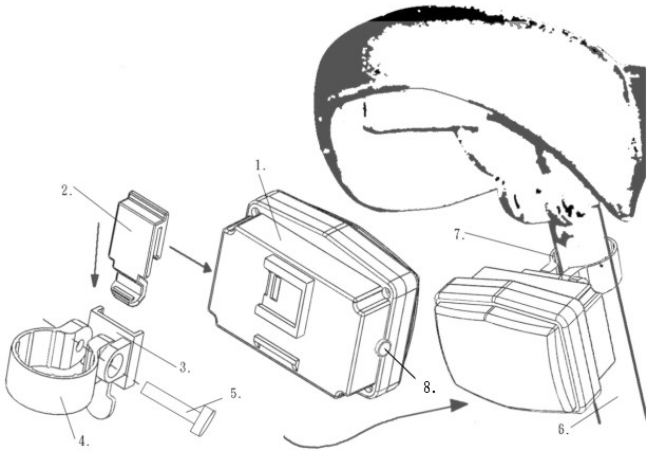


1. Body **2.** Controller buckle **3.** 3x8 Screws
4. 5x20 Screws **5.** Left turn button
6. Right turn button **7.** Left Turn Indicator
8. Right Turn Indicator

5.1 Use 3x8 screws to fixed Controller buckle on the body.

5.2 Use 5x20 screws and tighten it after the buckle through the handlebar, then adjust it to the proper position..

6 **Turn** Indicator **Installation:**



1. Body **2.** Turn Indicator clamp
3. Turn Indicator bracket
4. Turn Indicator buckle **5.** 5x20 Screw
6. Seat post **7.** Rubber pads **8.** Function button

6-1 Hold the body and slide the Turn Indicator clamp into the body from left side to right side.

6-2 Hold the body and slide bottom up into the Turn Indicator bracket.

6-3 Tighten the Turn Indicator buckle and bracket by 5x20 screw after the Turn Indicator buckle through the seat post. (Different brand has different seat post diameter, use the rubber pads to match up).

Rubber pads dimension	Reference
Ø 25~27mm	
Ø 28~30mm	
Ø 31~33mm	No need Rubber pads

7 Operating Instruction:

7-1 Operate the Controller:

Make sure that the Turn Indicator is in standby mode, simply press the left button when making a left turn, and left turn LED lights on. Press the left button once again when finished the turn, and left turn LED goes out. Do the same way when making a right turn.

7-2 Operate the Turn Indicator:

7-2.1 Press the function button, two red LED will be lighted on about 0.2 seconds (200 ms) then goes out. Turn Indicator is in standby mode now--- (Daytime mode)

7-2.2 After Turn Indicator is in standby mode, right/left turn yellow LED blink automatically and two middle red LED on but no blink when Controller sends the right/left turn signal. It increases its brightness for more easily to make clear the right/left turn warning. Once the Controller sends the signal again, the Turn Indicator LED goes out, and return to standby mode.

7-2.3 Press the function button one more time (second times), two middle red LED blinking quickly, Once every 0.25 seconds (250ms).It is night warning function and Turn Indicator is still in standby mode. --- (Night mode 1)

7-2.4 Press the function button one more time (third times), two red LED blinking slowly, Once every 0.5 seconds (500ms).It is the second night warning function and Turn Indicator is still in standby mode- (Night mode 2)

7-2.5 Press the function button one more time (fourth times), two red LED will be lighted on constantly and stop blinking. It is the third night warning function and Turn Indicator is still in standby mode. --- (Night mode 3)

7-2.6 While right/left turn yellow LED are blinking, red LED in the middle will be constantly lights on instead of blinking if the Turn Indicator is in the night mode. This helps the signals more distinct. The Turn Indicator will be returned to the standby mode automatically after the signal is off.

7-2.7 Press the function button one more time (fifth times), two red LED to be extinguished gradually, Turn Indicator is now returned to sleep mode.

8 Caution:

8-1 This product use tiny screws, please choose a smooth location or on the table to install or change the batteries.

8-2 Please do not over tighten those four 2x8 screws.

9 Troubleshooting:

9-1 Controller LED is on, but Turn Indicator LED is not on. Solutions:

9-1.1 Turn Indicator may be in sleep mode. Please press the button to make sure Turn Indicator is in standby mode to receive the signal normally.

9-1.2 Brightness insufficient, transmit/ receive range were not enough, it may the batteries are useless. Change the batteries and restart the machine.

9-1.3 If it is still not working after follow the 9-1.1, it may the code error, please follow the 9-1.4 to register the wireless Turn Indicator.

9-1.4 Register the wireless t urn Indicator:

Make sure the Turn Indicator is in standby mode, press and hold the function button more than 4 seconds. After the both side yellow LED lights on constantly, press Controller to give a signal to Turn Indicator . Middle red LED will blink 3 times and goes out if Turn Indicator receives the signal. It means the registering is done. Wireless Turn Indicator should work normally right now.